



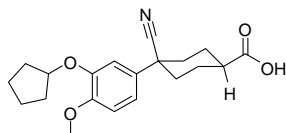
## Certificate of Analysis

**Axon Catalogue ID** 1592 **Batch Number:** 1

**Product Name:** Cilomilast - SB 207499

**IUPAC Name:** cis-4-Cyano-4-(3-cyclopentyloxy-4-methoxyphenyl)cyclohexane-1-carboxylic acid

**Structure:**



**Amount:**

**CAS number:** 153259-65-5

**Batch Molecular Formula:** C<sub>20</sub>H<sub>25</sub>NO<sub>4</sub>

**Batch MW:** 343.42

**Appearance:** White Solid

**Observed m.p.:** 129°C

**TLC (R<sub>f</sub>):** 0.6 9:1 DCM/MeOH

**Chemical Purity:** 99.2%  
(100% under 204 nm)

**Wavelength for purity check:** 231 nm

**Optical Purity (ee):**

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Not available

**Storage Conditions:** Store at -20°C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Insoluble
	1eq. NaOH	20	58	Soluble *
	1eq. HCl			insoluble
	DMSO		> 100 mM	soluble
	EtOH			Not tested

**Remarks:** \* Soluble in water upon compensating with base; slight warming helpful.

**Quality controller:** M. Brandsma, MSc.

**Date:** 10/21/2010

The purity of Axon products is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Please e-mail to [order@axonmedchem.com](mailto:order@axonmedchem.com) indicating Axon catalogue ID and batch number.

**Caution: Not fully tested. For research use only**

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